

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A material comprising:

opposed flexible layers;

a seam connecting a portion of the opposed flexible layers to form an interspatial pocket between the opposed flexible layers; and

a resistant infrastructure ~~having a higher~~ including an array of spaced penetration resistance resistant than the ~~opposed flexible layers~~ plates disposed in the interspatial pocket between the opposed flexible layers.

2. (Canceled)

3. (Currently Amended) The material of claim 1 wherein the opposed flexible layers are formed of an elastomeric or polymer material.

4. (Original) The material of claim 1 wherein the opposed flexible layers are formed of a polyurethane material.

5. (Currently Amended) The material of claim 21 wherein the ~~guard~~ array of spaced plates are formed of a curable resin ~~or epoxy~~.

6. (Currently Amended) The material of claim 21 wherein the ~~guard~~ spaced plates include a layer of glass beads or particles.

7. (Currently Amended) The material of claim 21 wherein the ~~plurality of spaced guard~~ array of plates are separated by void space between adjacent ~~guard~~ plates.

8. (Currently Amended) The material of claim 21 wherein the ~~plurality of spaced guard array of~~ plates are formed on a substrate.

9. (Original) The material of claim 8 wherein the substrate is a substrate layer interposed in the interspatial pocket between the opposed flexible layers.

10. (Currently Amended) ~~The A material of claim 8 wherein the substrate is on one of the opposed flexible layers having the guard plates formed thereon comprising:~~

opposed flexible layers;

a seam connecting a portion of the opposed flexible layers to form an interspatial pocket between the opposed flexible layers; and

a resistant infrastructure including a plurality of resistant plates formed on one of the opposed flexible layers.

11. (Currently Amended) The material of claim 1 including a plurality of ~~penetration~~ resistant infrastructures interposed in the interspatial pocket between the opposed flexible layers.

12. (Currently Amended) The material of claim 11 wherein the plurality of ~~penetration~~ resistant infrastructures include multiple ~~guard plate arrays of~~ plates formed on a substrate.

13. (Currently Amended) ~~The material of claim 1 wherein the resistant infrastructure includes~~ A material comprising:

opposed flexible layers formed of an elastomeric or polymer film or material;

a seam connecting a portion of the opposed flexible layers to form an interspatial pocket between the opposed flexible layers; and

_____ a flexible penetration resistant fabric or material floatably disposed in the interspatial pocket relative to at least one of the opposed flexible layers.

14. (Currently Amended) The material of claim 13 wherein the flexible penetration resistant fabric is formed of one of a Kevlar or spectra material aramid or high density polyethylene.

15. (Withdrawn) A glove comprising:

a polymer glove body including a reinforced body portion including opposed polymer layers bounded by a seam to form an interspatial pocket therebetween and including a resistant infrastructure interposed in the interspatial pocket between the opposed polymer layers.

16. (Withdrawn) The glove of claim 15 wherein the resistant infrastructure includes a plurality of spaced rigid guard plates interposed in the interspatial pocket between the opposed polymer layers.

17. (Withdrawn) The glove of claim 16 wherein the rigid guard plates are formed of a curable resin or epoxy.

18. (Withdrawn) The glove of claim 15 wherein the opposed polymer layers are formed of polyurethane material.

19. (Withdrawn) The glove of claim 15 wherein the polymer glove body includes a non-reinforced portion and the non-reinforced portion includes laminated polymer layers

20. (Withdrawn) The glove of claim 16 wherein the plurality of rigid guard plates are formed on a substrate.

21. (Withdrawn) The glove of claim 20 wherein the substrate is one of the opposed polymer layers.

22. (Withdrawn) The glove of claim 20 wherein the substrate is a substrate layer interposed in the interspatial pocket between the opposed polymer layers.

23. (Withdrawn) The glove of claim 15 including a plurality of penetration resistant infrastructures in the interspatial pocket between the opposed polymer layers having a higher penetration resistance than the opposed polymer layers.

24. (Withdrawn) A material comprising:

- a plurality of spaced guard plates formed on a substrate having a void space between adjacent guard plates and the plurality of spaced guard plates formed of a hard curable material; and
- a glass particle layer formed on the hard curable material.

25. (Withdrawn) A method of fabricating a material comprising steps of:

- depositing a curable hard layer on a substrate;
- coating a first surface of the curable hard layer with glass particles or beads; and
- directing a radiation source at a second surface of the curable hard layer to cure the curable hard layer having the glass particles or beads thereon.

26. (Withdrawn) A method of fabricating a glove comprising steps of:

- fabricating a flexible penetration resistant infrastructure;
- interposing the penetration resistant infrastructure between opposed polymer layers; and

forming a glove body including an interspatial pocket between the opposed polymer layers having the penetration resistant infrastructure disposed therein.

27.(Withdrawn) The method of claim 26 wherein the step of forming the glove body includes the step of:

cutting the polymer layers of glove body and heat sealing an edge portion of the polymer layers to form the glove body having a body cavity.

28.(Withdrawn) The method of claim 27 wherein the step of forming the glove body includes the step;

laminating portions of the opposed polymer layers to form the interspatial pocket therebetween.

29.(Withdrawn) The method of claim 26 wherein the penetration resistant infrastructure includes a guard plate array and further comprising the steps of:

printing an array of curable guard plates on a substrate; and curing the printed array of guard plates.

30.(New) The material of claim 1 wherein the opposed flexible layers are laminated or sealed to form the seam.

31.(New) The material of claim 1 wherein a portion of the opposed flexible layers are laminated or sealed.

32.(New) The material of claim 8 wherein the substrate is floatably disposed in the interspatial pocket relative to at least one of the opposed flexible layers.

33.(New) The material of claim 1 including a first portion and a second portion and the first portion includes first opposed

flexible layers and a first resistant infrastructure including an array of penetration resistant plates disposed in an interspatial pocket formed between the first opposed flexible layers and the second portion includes second opposed flexible layers and a second resistant infrastructure including an array of penetration resistant plates disposed in an interspatial pocket formed between the second opposed flexible layers, and the first and second portions being joined or sealed to form a composite material.

34.(New) The material of claim 33 wherein the first and second portions are joined to form a glove having a body cavity.

35.(New) The material of claim 1 wherein the array of penetration resistant plates are formed on a mesh substrate to form a wire mesh portion.

36. (New) The material of claim 1 wherein the plates are hexagonal shaped.